

Message Text

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ACTION TRSE-00

INFO OCT-01 EA-07 NEA-10 ISO-00 PA-01 PRS-01 IO-13

H-01 L-03 AID-05 CIAE-00 COME-00 EB-07 FRB-03

INR-07 NSAE-00 USIA-06 XMB-02 OPIC-03 SP-02

LAB-04 EPG-02 SIL-01 OMB-01 NSC-05 SS-15 STR-04

CEA-01 /105 W

-----240759Z 017629 /14

R 240641Z MAY 77

FM AMEMBASSY MANILA

TO SECSTATE WASHDC 167

INFO AMEMBASSY KABUL

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E.O. 11652: ADS, DECLAS 6/24/77

TAGS: EAID, EFIN

SUBJECT: ADB KAJAKAI GATES PROJECT (AFGHANISTAN): REQUEST BY
BORROWER TO CHANGE SCOPE OF PROJECT

REF: 74 MANILA 13828

SUMMARY: ADB MANAGEMENT PROPOSES ON NO OBJECTION BASIS CHANGE
IN SCOPE OF SUBJECT PROJECT TO REFLECT PROJECT CONSULTANT'S
INCREASED ESTIMATE OF PROBABLE MAXIMUM FLOOD IN HELMUND VALLEY.
BORROWER WOULD FINANCE COST OVERRUN, TENTATIVELY ESTIMATED
AT \$1.0 MILLION. USADB PLANS NO OBJECTION. END SUMMARY.

1. ADB DOC. R50-77 DESCRIVING PROPOSED MODIFICATION POUCHED
ADDRESSEES MAY 24.

2. IN JULY 1970 BANK APPROVED \$160,000 TECHNICAL ASSISTANCE
(TA) GRANT TO GOVT OF AFGHANISTAN FOR, INTER ALIA, PREPARATION
OF FEASIBILITY STUDY FOR INSTALLATION OF SPILLWAY GATES AT
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KAJAKAI RESERVOIR IN HELMUND VALLEY OF AFGHANISTAN. FOLLOWING
SUBMISSION OF FINAL REPORT BY FEASIBILITY CONSULTANT IN
AUGUST 1971, BANK MISSION APPRAISED PROJECT. IN DECEMBER 1974
ADB BOARD OF DIRECTORS APPROVED \$14 MILLION LOAN FROM SPECIAL
FUNDS RESOURCES FOR KAJAKAI GATES PROJECT (LOAN NO. 204
AFG (SF)).

3. PURPOSES OF LOAN ARE TO FINANCE FOREX COSTS OF INSTALLATION OF EIGHT RADIAL STEEL GATES IN EXISTING SPILLWAY CHANNEL OF KAJAKAI RESERVOIR; PROVISION OF VEHICLES AND SNOW SURVEY EQUIPMENT; AND CONSULTING SERVICES. PROJECT WILL INCREASE MAXIMUM RESERVOIR CAPACITY FROM 1718 MILLION CU. FT. TO 2728 MILLION CU. FT., PROVIDING ADDITIONAL WATER FOR AGRICULTURAL DEVELOPMENT AND HYDROPOWER GENERATION, AND IMPROVING FLOOD CONTROL IN REGION. TOTAL COST OF PROJECT WAS ESTIMATED AT \$16,870,000.

4. PROPOSED CHANGE IN SCOPE OF PROJECT, REQUESTED BY EXECUTING AGENCY, MINISTRY OF WATER AND POWER, IS BASED UPON RECOMMENDATION OF CONSULTANTS ENGAGED UNDER LOAN (PROJECT CONSULTANT) WHOSE DESIGN FLOOD CALCULATIONS AFFECTING SAFETY AND DESIGN, WERE AT VARIANCE WITH THOSE OF FEASIBILITY CONSULTANT UNDER TA. LATTER, USING AVAILABLE HISTORICAL DATA ON STREAMFLOW, SNOWMELT AND PRECIPITATION, ESTIMATED PROBABLE MAXIMUM FLOOD (PMF) IN HELMUND VALLEY AT 12,600 CU. M.SEC. PROJECT CONSULTANT, ABLE BECAUSE OF (BY THAT TIME) LONGER-TERM DATA BASE TO USE MORE RELIABLE "HERSHFIELD" METHOD OF ANALYSIS, ESTIMATED PMF AT 20,100 CU.M./SEC. AS RESULT OF ITS STUDIES, PROJECT CONSULTANT ADVISED EXECUTING AGENCY, BORROWER AND BANK THAT ITS CALCULATIONS INDICATED PMF COULD EXCEED CAPACITY OF PRESENT SPILLWAY AND OVERTOP DAM. IT ACCORDINGLY RECOMMENDED DESIGN MODIFICATIONS WHICH WOULD PROVIDE FOR SAFE DISCHARGE OF PMF, BUT WOULD REQUIRE HIGHER CONSTRUCTION COSTS AND CHANGE IN PROJECT SCOPE. EXECUTING AGENCY AND BORROWER CONSIDER IT PRUDENT TO FOLLOW THESE RECOMMENDATIONS.

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5. ORIGINAL ANALYSIS OF FEASIBILITY CONSULTANT HAD BEEN ACCEPTED BY BANK AS PROPERLY BASED UPON AVAILABLE DATA AND MADE ON BASIS REASONABLE ASSUMPTIONS. HOWEVER, CONSIDERING LONG TIME LAPSE INVOLVED, REVIEW OF THEIR FINDINGS WAS PROVIDED FOR IN TERMS OF REFERENCE FOR PROJECT CONSULTANTS UNDER LOAN. AT REQUEST OF BANK, FEASIBILITY CONSULTANT HAS REVIEWED ITS STUDIES IN LIGHT OF FINDINGS OF PROJECT CONSULTANT. BASED ON THIS REVIEW, FEASIBILITY CONSULTANT HAS CONFIRMED THAT ADDITIONAL DATA AVAILABLE TO PROJECT CONSULTANT DID PERMIT APPLICATION OF HERSHFIELD METHOD; THAT HERSHFIELD METHOD WAS APPROPRIATE METHOD OF TESTING PMF; AND WHILE NOT COMMITTING ITSELF TO RESULTS OF PROJECT CONSULTANTS' CALCULATIONS, IT APPROVED METHODOLOGY OF PROJECT CONSULTANT. BANK STAFF'S OWN REVIEW HAS CONFIRMED VALIDITY PROJECT CONSULTANT'S METHODOLOGY AND BANK CONSIDERS THAT ITS ESTIMATE OF PMF SHOULD BE ACCEPTED.

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6. FOLLOWING ARE PROPOSED CHANGES IN PROJECT DESIGN:

(A) INCREASE DAM HEIGHT BY ABOUT TWO METERS TO PROVIDE ADDITIONAL FREEBOARD AND ADDITIONAL HYDRAULIC HEAD ON EXISTING SPILLWAY;

(B) INCREASE ELEVATION OF CONCRETE WEIR AT EXISTING SPILLWAY TO REDUCE HEIGHT OF RADIAL STEEL GATES, THEREBY SAVING SOME COSTS;

(C) PROVIDE MORE SPILLWAY CAPACITY BY CONSTRUCTING OF EMERGENCY SPILLWAY, AND PROVIDE THIS SPILLWAY WITH FUSE-PLUG THAT WOULD ERODE IN EVENT OF PMF.

7. ITEMS (A) AND (C) OF PARA. 6 ABOVE REQUIRE WORK BEYOND ORIGINAL PROJECT SCOPE. COST OF REVISED PROJECT IS ESTIMATED AT \$17,868,000, UP FROM ORIGINAL \$16,870,000. HOWEVER, FOREX COST, AT \$13,710,000, WOULD BE BELOW ORIGINALLY ESTIMATED \$14 MILLION, OWING MAINLY TO REDUCED SIZE OF SPILLWAY GATES
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UNDER PROPOSED PROJECT REVISION. IN LINE WITH REVISED COST ESTIMATE, BORROWER HAS REQUESTED REALLOCATION OF LAON PROCEEDS.

HOWEVER, BANK PROPOSES THAT THIS REQUEST BE DEFERRED PENDING RECEIPT OF BIDS FOR RADIAL STEEL GATES AND CIVIL WORKS. MEANWHILE, BORROWER HAS ASSURED IT WILL FINANCE ANY COST OVERRUN TO COMPLETE PROJECT AS REVISED.

8. BASED ON ITS REVIEW OF PROJECT CONSULTANT'S STUDY, PROPOSED DESIGN CHANGES AND CONCOMMITANT CHANGES IN SCOPE, BANK BELIEVES PROPOSAL REPRESENTS LEAST COST ALTERNATIVE FOR NECESSARY DESIGN CHANGE. ESTIMATED COST INCREASE SHOULD NOT SIGNIFICANTLY AFFECT ORIGINAL INTERNAL RATE OF RETURN OF ABOUT 25 PERCENT, AND PROJECT REMAINS ECONOMICALLY VIABLE. BANK ACCORDINGLY RECOMMENDS PROPOSED CHANGE IN PROJECT SCOPE ON UNDERSTANDING THAT BORROWER WILL FINANCE ANY COST OVERRUN. IF NO OBJECTION TO, OR REQUEST FOR DISCUSSION OF RECOMMENDATION BY JUNE 10, 1977, RECOMMENDATION WILL BE DEEMED TO HAVE BEEN ACCEPTED. USADB DOES NOT PLAN TO OBJECT.
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Message Attributes

Automatic Decaptioning: X
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Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment: 25 YEAR REVIEW
Disposition Date: 22 May 2009
Disposition Event:
Disposition History: n/a
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